

FORM PTO-1390 (Modified) (REV. 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 2765-38053
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 10,1619098
INTERNATIONAL APPLICATION NO. PCT/IB99/01166	INTERNATIONAL FILING DATE 22 June 1999		PRIORITY DATE CLAIMED NONE	
TITLE OF INVENTION IN VIVO INSECT MODEL SYSTEM FOR TYPE-2 DIABETES				
APPLICANT(S) FOR DO/EO/US HAFEN, Ernst				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 				
Items 13 to 20 below concern document(s) or information included:				
<ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A change of power of attorney and/or address letter. 19. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail 23. <input checked="" type="checkbox"/> Other items or information: Corrected International Preliminary Examination Report; Sequence Listing in paper form; Sequence Statement pursuant to 37 C.F.R. 1.821-1.825; and Return receipt post card. 				

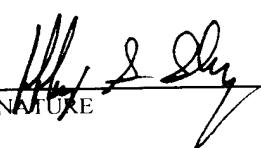
U.S. APPLICATION NO. IF KNOWN, SEE 37 CFR	INTERNATIONAL APPLICATION NO. PCT/IB99/01166	ATTORNEY'S DOCKET NUMBER 27656/38053																				
24. The following fees are submitted:		CALCULATIONS PTO USE ONLY																				
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :																						
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1040.00																						
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00																						
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00																						
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00																						
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00																						
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$890.00																				
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).		□ 20 □ 30 \$0.00																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>34 - 20 =</td> <td>14</td> <td>x \$18.00 \$252.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$84.00 \$0.00</td> </tr> <tr> <td colspan="3">Multiple Dependent Claims (check if applicable).</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">\$0.00</td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	34 - 20 =	14	x \$18.00 \$252.00	Independent claims	3 - 3 =	0	x \$84.00 \$0.00	Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>				\$0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																			
Total claims	34 - 20 =	14	x \$18.00 \$252.00																			
Independent claims	3 - 3 =	0	x \$84.00 \$0.00																			
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>																			
			\$0.00																			
TOTAL OF ABOVE CALCULATIONS =		\$1,142.00																				
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.		\$0.00																				
SUBTOTAL =		\$1,142.00																				
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).		□ 20 □ 30 + \$0.00																				
TOTAL NATIONAL FEE =		\$1,142.00																				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).		<input type="checkbox"/>																				
TOTAL FEES ENCLOSED =		\$1,142.00																				
		Amount to be: refunded \$ charged \$																				

- a. A check in the amount of **\$1,142.00** to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **13-2855** A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Jeffrey S. Sharp
Customer No.: 04743
MARSHALL, GERSTEIN & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606
United States of America


SIGNATURE
 Jeffrey S. Sharp
NAME
 31,879
REGISTRATION NUMBER
 20 December 2001
DATE

10/319878

531 Rec'd PTO

20 DEC 2001

PATENT APPLICATION

Attorney Docket No. 27656/38053

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HAFEN, Ernst)
U.S. National Phase of PCT/IB99/01166 filed)
22 June 1999)
Filed: Herewith)
For: IN VIVO INSECT MODEL SYSTEM)
FOR TYPE-2 DIABETES)
Group Art Unit: Unassigned)
Examiner: Unassigned)
Attorney Docket No. 27656/35053)
)

CERTIFICATION UNDER 37 CFR 1.10

Box PCT
Commissioner for Patents
Washington, D.C. 20231

I hereby certify the attached items are being deposited with the United States Postal Service on November 26, 2001 in an envelope addressed to Box PCT, Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing No. EK 657 819 788 US:

- a. Transmittal letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371;
- b. Sequence Listing in both paper and computer readable forms;
- c. Sequence Statement pursuant to 37 C.F.R. 1.821-1.825;
- d. International Preliminary Examination Report;
- e. Corrected Preliminary Examination Report;
- f. Preliminary Amendment;
- g. Return receipt post card; and
- h. A check in the amount of \$1,142.00.



Richard Zimmermann

Date: December 20, 2001

10/019098

531 REC'D PCT. 20 DEC 2001

PATENT

Attorney Docket No.: 27656/38053

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HAFEN, Ernst) I hereby certify that this paper is being de-
U.S. National Phase of PCT/IB99/01166 filed) posited with the United States Postal Ser-
22 June 1999) vice on **December 20, 2001**, in an envelope
Filed: Herewith) addressed to the Commissioner for Patents,
For: **IN VIVO INSECT MODEL SYSTEM**) Washington, D.C. 20231 utilizing the "Ex-
FOR TYPE-2 DIABETES) press Mail Post Office to Addressee" ser-
Group Art Unit: Unassigned) vice of the United States Postal Service un-
Examiner: Unassigned) der Mailing Label No. **EK 657 819 788 US.**
Attorney Docket No. 27656/35053)
December 20, 2001

Richard Zimmermann

STATEMENT UNDER 37 C.F.R. §§1.821(f)

BOX PCT
Commissioner for Patents
Washington, DC 20231

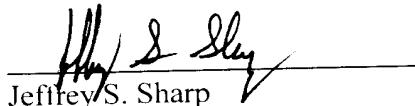
Sir:

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted herewith in accordance with 37 C.F.R. §§1.821 and 1.825, are the same.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6402
(312) 474-6300

By


Jeffrey S. Sharp
Registration No. 31,879
Attorney for Applicants

December 20, 2001